

What is claimed is:

1. A method for producing a modified polyolefin, comprising steps for polymerizing an α -olefin in the liquid phase in the presence of a homogeneous metallic complex catalyst to produce a low-crystallinity or amorphous polyolefin solution; for continuously drying the resulting polyolefin solution; and for modifying the dried polyolefin in an extrusion kneader.
2. The method according to Claim 1 for producing a modified polyolefin, wherein a step is included for removing the catalyst component before drying the polyolefin solution.
3. The method according to Claim 1 or 2 for producing a modified polyolefin, wherein the polyolefin solution is dried in an extrusion drier equipped with a vent.